Vol. 154 Nos. 1–3

TOXICOLOGY

November 23rd 2000

CONTENTS

Cited in: *Biological Abstracts; Elsevier BIOBASE/Current Awareness in Biological Sciences; Cambridge Scientific Abstracts; Chemical Abstracts; Current Contents/Life Sciences, EMBASE/Excerpta Medica; Environmental Mutagene Information Center; Environmental Periodicals Bibliography; Index Medicus*

Articles

A rapid hemolysis assay for the detection of sodium channel-specific marine toxins
The assay usues red blood cells pellets from the red Tilapia (*S. Mossambicus*)
R.Y. Shimojo, W.T. Iwaoka (USA). 1–7

Proteoglycans synthesized by cultured bovine aortic smooth muscle cells after exposure to lead: lead selectively inhibits the synthesis of versican, a large chondroitin sulfate proteoglycan
Lead exposure results in a versican-poor extracellular matrix
Y. Fujiwara, C. Yamamoto, T. Kaji (Japan) 9–19

The protective effect of flavonol quercetin against ultraviolet a induced oxidative stress in rats
M. Erden Inal, A. Kahraman (Turkey). 21–29

In vitro toxicology in hepatocyte bioreactors-extracellular acidification rate (EAR) in a target cell line indicates hepato-activated transformation of substrates
H.G. Koebe, C.J. Deglmann, R. Metzger, S. Hoerrlein, F.W. Schildberg (Germany) 31–44

Changes in ceramide and sphingomyelin following fludarabine treatment of human chronic B-cell leukemia cells
Sphingolipid metabolism is involved in human fludarabine-induced apoptosis in human leukemia cell lines
S.S. Biswal, K. Datta, G.K. Acquaah-Mensah, J.P. Kehrer (USA). 45–53

Purification and characterization of diquat (1,1′-ethylene-2,2′-dipyridylium)- metabolizing enzyme from paraquat-resistant rat liver cytosol
Molecular mass, isoelectric point and K_m and V_{max} have been determined
M. Nakajima, M. Nagao, M. Iwasa, J. Monma-Ohtaki, Y. Maeno, H. Koyama, Y. Seko-Nakamura, I. Isobe, T. Takatori (Japan) 55–66

The influence of anticholinergic drug selection on the efficacy of antidotal treatment of soman-poisoned rats
J. Kassa, J. Fusek (Czech Republic) 67–73

The roles of glutathione and antioxidant enzymes in menadione-induced oxidative stress
T.-J. Chiou, W.-F. Tzeng (Taiwan, ROC) 75–84

Carbon tetrachloride is immunosuppressive and decreases host resistance to *Listeria monocytogenes* and *Streptococcus pneumoniae* in female B6C3F1 mice
Daily doses of CCl_4 given for 2 weeks ranged from 50 to 500 mg/kg
T.L. Guo, J.A. McCay, R.D. Brown, D.L. Musgrove, D.R. Germolec, L. Butterworth, A.E. Munson, K.L. White Jr. (USA) 85–101

Changes in endogenous Zn and Cu distribution in different cytosolic protein fractions in mouse liver after administration of a single sublethal dose of $CdCl_2$
M.S. Yang, K.P. Lai, K.Y. Cheng, C.K.C. Wong (Hong Kong) 103–111

Cytochrome P450 reductase-mediated anaerobic biotransformation of ethanol to 1-hydroxyethyl-free radicals and acetaldehyde
The toxicologic significance of reductase metabolism requires further study
M.I. Díaz Gómez, G.D. Castro, A.M.A. Delgado de Layño, M.H. Costantini, J.A. Castro (Argentina) . . . 113–122

Immunotoxicology articles

The effects of perinatal exposure to low doses of 2,3,7,8-tetrachlorodibenzo-*p*-dioxin on immune organs in rats
K. Nohara, H. Fujimaki, S.-i. Tsukumo, H. Ushio, Y. Miyabara, M. Kijima, C. Tohyama, J. Yonemoto (Japan) 123–133

(*Contents continued on page 147*)

CONTENTS Direct

This journal is part of **ContentsDirect**, the ***free*** alerting service which sends tables of contents by e-mail for Elsevier Science books and journals. You can register for **ContentsDirect** online at: **www.elsevier.nl/locate/contentsdirect**

0300-483X(20001123)154:1:3;1-R

(*Contents continued from outside back cover*)

News and Views

Book reviews

Measuring in vivo Oxidative Damage. A Practical Approach: Edited by J. Lunec and H.R. Griffiths, XVI, 176 pages John Wiley & Sons Ltd., Chichester, 2000. Hardcover, Price £55, ISBN 0-471-81848-8
K.J. Netter (Germany) 135

Analytical Determination of Nicotine and related Compounds and their Metabolites: Edited by J. W. Gorrod and P. Jacob, III. ISBN 0-444-50095-2, 772 pages, Hardbound, $279 plus value added tax, Elsevier, Amsterdam: 1999
K.J. Netter (Germany) 137

Nutrition and Chemical Toxicity: Edited by C. Ioannides (Current Toxicology Series), 384 pages, 1998, price: £100, ISBN 0-471-97453-6, John Wiley & Sons Ltd, Chichester
K.J. Netter (Germany) 139

Instructions to Authors 141–142

Author index of Volume 153 143

Subject index of Volume 153 145–146